

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF INTERCONNECT AND SYSTEM DETECTION ON MD 24 BETWEEN THE INTERSECTIONS OF BYNUM/ RED PUMP ROAD TO MD 23 IN HARFORD COUNTY. MD 24 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

CONTROLLER REQUIREMENTS

MD 24 AND OSBOURNE PKWY

INSTALL A MASTER CONTROLLER WITH TELEMTRY IN EXISTING BASE MOUNTED CABINET. USE EXISTING PHONE DROP.

MD 24 AND MD 23

THE DETECTOR RACK SHOULD BE RETROFITTED TO INSTALL FOUR (4) FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIERS IN THE EXISTING BASE MOUNTED CABINET.

MD 24 AND SPENCEOLA DRIVE

INSTALL ONE (1) FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER IN THE EXISTING BASE MOUNTED CABINET.

MD 24 AND BYNUM ROAD

INSTALL ONE (1) FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER IN THE EXISTING BASE MOUNTED CABINET.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.00 - 104.00-30 STANDARD NO. MD-104.45-01 (RIGHT LANE CLOSURE)

STANDARD NO. MD-104.38-01 (RIGHT LANE CLOSURE) STANDARD NO. MD-104.49-01 (SHOULDER WORK)

STANDARD NO. MD-104.43-01 (SHOULDER WORK)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-2781/2785

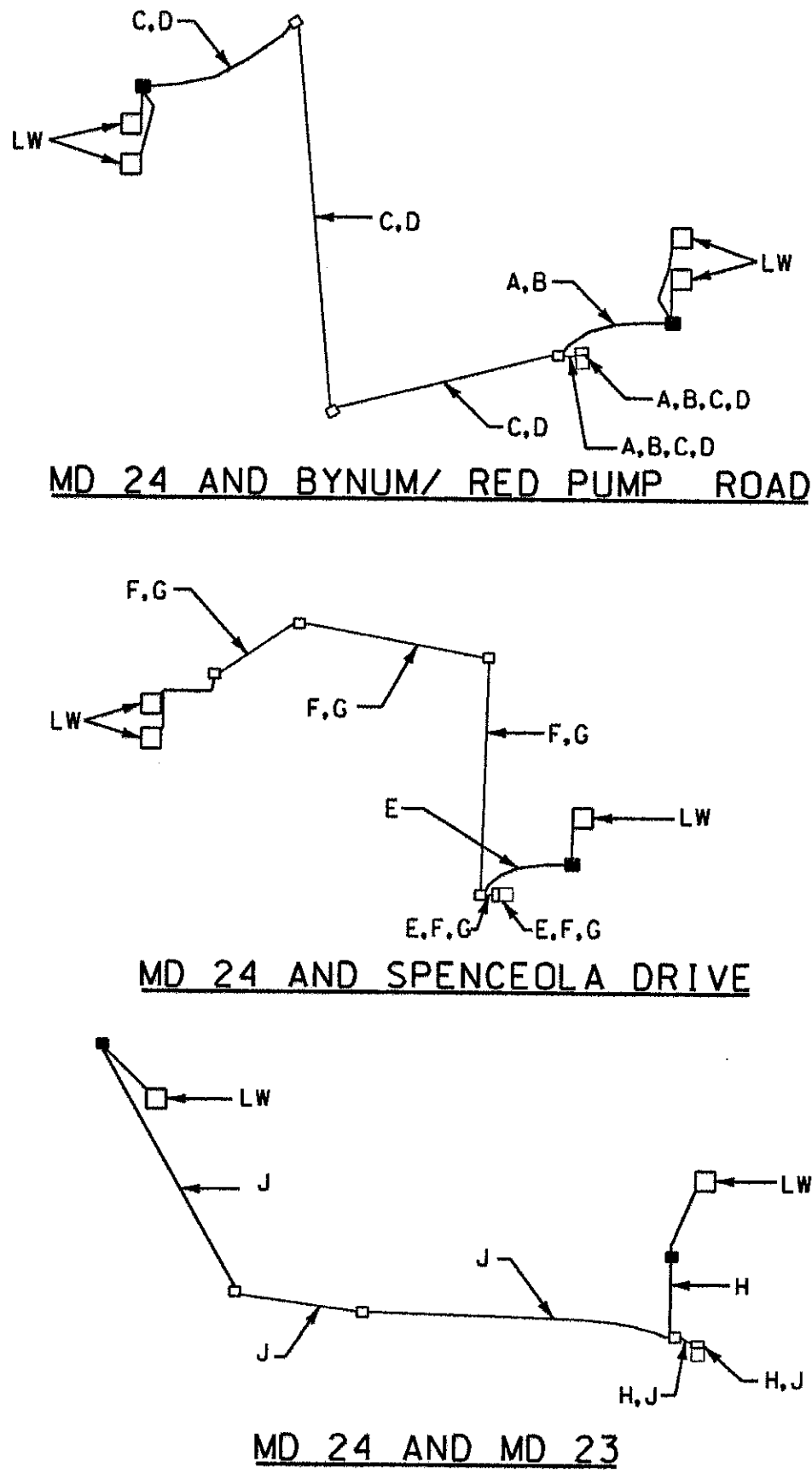
MR. JOE McMAHON
ACTING DISTRICT UTILITIES ENGINEER
PHONE: (410) 321-2841

MR. DAVE RAMSEY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MR. EDWARD RODENHIZER
CHIEF, SIGNAL OPERATIONS SECTION - OOTS
PHONE: (410) 787-7652

WIRING DIAGRAM



EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA		
ITEM NO.	QUANTITY	DESCRIPTION
9000	1 EACH	RETRO-FIT DETECTOR RACK
9016	6 EACH	FOUR-CHANNEL, TIME-DELAY-OUTPUT, LOOP DETECTOR AMPLIFIER
9045	1 EACH	CONTROLLER, MASTER ASC 10.000 WITH TELEMTRY

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

EQUIPMENT LIST "B"


B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NUMBER	QUANTITY	UNIT	DESCRIPTION
1001	1	EA	Maintenance of Traffic
2002	3	EA	Test Pit Excavation
8051	6400	LF	Furnish and Install 3 Inch Polyvinyl Chloride Electrical Conduit (Trenched)
8052	350	LF	Furnish and Install 4 Inch Polyvinyl Chloride Electrical Conduit (Bored)
8053	30	LF	Furnish and Install 4 Inch Polyvinyl Chloride Electrical Conduit (Trenched)
8064	900	LF	Furnish and Install 3 Inch Schedule 80 Rigid PVC Conduit - Bored
8068	90	LF	Furnish and Install 1 Inch Liquid Tight Flexible Non-Metallic Conduit for Detector Wire Sleeve
8072	43	EA	Furnish and Install Electrical Handhole
8076	9200	LF	Furnish and Install 12 Pair Communication Cable (Underground)
8081	950	LF	Furnish and Install Electrical Cable - 2 Conductor (Aluminum Shielded)
8087	1200	LF	Furnish and Install Loop Wire Encased in Flexible Tubing (No. 14 A.W.G.)
8088	480	LF	Furnish and Install Saw Cut for Signal (Loop Detector)
Neg	30	LF	Furnish and Install 2 Inch Schedule 80 Rigid PVC Conduit - Trenched

WR&A

Whitman, Requardt and Associates, LLP

801 South Caroline Street
Baltimore, Maryland 21231
(410) 235-3450

 MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
MD 24 FROM BYNUM RD/ RED PUMP RD TO MD 23

DRAWN BY: B. DONOWAY	F.A.P. NO. N/A	TS NO.	SHEET NO. 4 OF 4
CHECKED BY: B. MARTINE	S.H.A. NO. XX1085185	T.I.M.S. NO. E450	
SCALE: NONE	COUNTY: HARFORD	LOG MILE:	
DATE: 6/26/02			